

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-7-2100

MICE Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 217 Ship Date: 11/4/07	BALB/cJByNiaHsd	2M/1F	19 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 11/5/07 Report Date: 1/16/08
	B6C3F1/NiaHsd	2M/2F	24 months	
	B6D2F1/NiaHsd	2M/1F	24 months	
	CBA/JNiaHsd	2M/3F	21 months	
	CB6F1/NiaHsd	2M/1F	23 months	
	CB6F1/C3D2F1	2M/0F	24 months	
	C57BL/6NiaHsd	1M/1F	20 months	
	DBA/2JNiaHsd	2M/3F	20 months	

EVALUATION
NIA mice submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan. All mice examined were considered to be in a good state of health.

SEROLOGY			
Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/27	
MHV	MFI	0/27	
Sendai	MFI	0/27	
PVM	MFI	0/27	
Reo 3	MFI	0/27	
TMEV GDVII	MFI	0/27	
Mouse Parvovirus	MFI	0/27	
MVM	MFI	0/27	
Ectromelia	MFI	0/27	
MAD	MFI	0/27	
Polyoma	MFI	0/27	
Rotavirus	MFI	0/8	
LCM	MFI	0/8	
Hantaan	MFI	0/8	
K Virus	MFI	0/8	
MCMV	MFI	0/8	
MTV	IFA	0/8	
LDEV	ENZYME	0/8	
<i>E. cuniculi</i>	MFI	0/8	

BACTERIOLOGY		
Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/27	Nasopharynx/cecum cultures. The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pasteurella pneumotropica</i>	0/27	
<i>Pasteurella spp.</i>	0/27	
<i>Bordetella bronchiseptica</i>	0/27	
<i>Pseudomonas aeruginosa</i>	0/27	
<i>Citrobacter rodentium</i>	0/27	
<i>Corynebacterium kutscheri</i>	0/27	
<i>Klebsiella pneumoniae</i>	0/27	
<i>Klebsiella oxytoca</i>	0/27	
<i>Staphylococcus aureus</i>	3/27	
<i>Streptococcus sp. Group B beta</i>	0/27	

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MICE Barrier 217


PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/27	
<i>Helicobacter hepaticus</i> ; <i>Helicobacter sp.</i>	0/27	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/27	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	10/27	Enteric and urinary bladder parasites were not observed in any mouse. A nonpathogenic commensal intestinal flagellate, <i>Chilomastix sp.</i> was found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranuloma liver	13/27	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	14/27	
Lymphoid infiltrate kidney	20/27	
Bronchoalveolar adenoma - lung	1/27	
Hydrocephalus-mild	4/27	
A few other incidental lesions were noted.		

AVAILABILITY		
Mice obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of referenced monitoring is tabulated below:		
Virgin Male (18 - 40 months of age)		806
Virgin Female (18 - 38 months of age)		638
Total Census:		1,444

For information, contact:
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Principal Investigator

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MICE Barrier 265I

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 265I Ship Date: 11/4/07	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd	1M/1F 1M/1F 3M/0F	23 months 24 months 19 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 11/5/07 Report Date: 1/16/08

EVALUATION

NIA mice submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan. All mice examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/7	
MHV	MFI	0/7	
Sendai	MFI	0/7	
PVM	MFI	0/7	
Reo 3	MFI	0/7	
TMEV GDVII	MFI	0/7	
Mouse Parvovirus	MFI	0/7	
MVM	MFI	0/7	
Ectromelia	MFI	0/2	
MAD	MFI	0/2	
Polyoma	MFI	0/2	
Rotavirus	MFI	0/2	
LCM	MFI	0/2	
Hantaan	MFI	0/2	
K virus	MFI	0/2	
MCMV	MFI	0/2	
MTV	IFA	0/2	
LDEV	ENZYME	0/2	
<i>E. cuniculi</i>	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/7	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/7	
<i>Pasteurella spp.</i>	0/7	
<i>Bordetella bronchiseptica</i>	0/7	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pseudomonas aeruginosa</i>	7/7	
<i>Citrobacter rodentium</i>	0/7	
<i>Corynebacterium kutscheri</i>	0/7	
<i>Klebsiella pneumoniae</i>	0/7	
<i>Klebsiella oxytoca</i>	0/7	
<i>Pasteurella multocida</i>	0/7	
<i>Staphylococcus aureus</i>	1/7	
<i>Streptococcus sp. Group B beta</i>	0/7	

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MICE Barrier 2651


PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/7	
<i>Helicobacter spp.</i>	Positive*	Pooled samples. *Tested positive for <i>Helicobacter rodentium</i> and <i>Helicobacter hepaticus</i> .

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/7	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	6/7	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including <i>Chilomastix spp.</i> were found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Mixed follicular center cell lymphoma	1/7	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	5/7	
Hydrocephalus-mild	3/7	
Multifocal mineralization-brain	2/7	
Cystic papillary adenoma-Hardierian gland	1/7	
A few other incidental lesions were also noted.		

AVAILABILITY	
Mice obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male (19 - 34 months of age)	139
Virgin Female (21 - 34 months of age)	84
Total Census:	233

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